Available online at www.sciencedirect.com
SCIENCE DIRECT®
ELSEVIER
Nuclear Instruments and Methods in Physics Research A 521 (2004) 615–627
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH Section A
www.elsevier.com/locate/nima

Author index

Abbondanno, U., G. Aerts, H. Alvarez, S. Andriamonje, A. Angelopoulos, P. Assimakopoulos, C.O. Bacri, G. Badurek, P. Baumann, F. Bečvář, H. Beer, J. Benlliure, B. Berthier, E. Berthomieux, S. Boffi, C. Borcea, E. Boscolo-Marchi, N. Bustreo, P. Calvio, D. Cano-Ott, R. Capote, P. Carlson, P. Cennini, V. Chepel, E. Chiaveri, C. Coceva, N. Colonna, G. Cortes, D. Cortina, A. Couture, J. Cox, S. Dababneh, M. Dahlfors, S. David, R. Dolfini, C. Domingo-Pardo, I. Duran, C. Eleftheriadis, M. Embid-Segura, L. Ferrant, A. Ferrari, L. Ferreira-Lourenco, R. Ferreira-Marques, H. Frais-Koelbl, W.I. Furman, Y. Giomataris, I.F. Goncalves, E. Gonzalez-Romero, A. Goverdovski, F. Gramegna, E. Griesmayer, F. Gunsing, R. Haight, M. Heil, A. Herrera-Martinez, K.G. Ioannides, N. Janeva, E. Jericha, F. Käppeler, Y. Kadi, D. Karamanis, A. Kelic, V. Ketlerov, G. Kitis, P.E. Koehler, V. Konovalov, E. Kossionides, V. Lacoste, H. Leeb, A. Lindote, M.I. Lopes, M. Lozano, S. Lukic, S. Markov, S. Marrone, J. Martinez-Val, P. Mastinu, A. Mengoni, P.M. Milazzo, E. Minguez, A. Molina-Coballes, C. Moreau, F. Neves, H. Oberhummer, S. O'Brien, J. Pancin, T. Papaevangelou, C. Paradela, A. Pavlik, P. Pavlopoulos, A. Perez-Parra, J.M. Perlado, L. Perrot, V. Peskov, R. Plag, A. Plompen, A. Plukis, A. Poch, A. Policarpo, C. Pretel, J.M. Quesada, M. Radici, S. Raman, W. Rapp, T. Rauscher, R. Reifarth, F. Rejmund, M. Rosetti, C. Rubbia, G. Rudolf, P. Rullhusen, J. Salgado, E. Savvidis, J.C. Soares, C. Stephan, G. Tagliente, J.L. Tain, C. Tapia, L. Tassan-Got, L.M.N. Tavora, R. Terlizzi, M. Terrani, N. Tsangas, G. Vannini, P. Vaz, A. Ventura, D. Villamarin-Fernandez, M. Vincente-Vincente, V. Vlachoudis, R. Vlastou, F. Voss, H. Wendler, M. Wiescher, K. Wisshak and L. Zanini, New experimental validation of the pulse height weighting technique for capture cross-section measurements . . . 521 (2004) 454
Abhilash, S.R., see Kabiraj, D. . . . 521 (2004) 183
Acharya, B.S., see Hanlet, P. . . . 521 (2004) 343
Adachi, I., see Matsumoto, T. . . . 521 (2004) 367
Adamson, P., L. Barrett, A. Belias, A. Blake, A. Cabrera, E. Falk, P.G. Harris, J. Hartnell, C. Howcroft, M. Kordosky, K. Lang, R. Lee, J. Liu, D. Michael, R. Morse, J.K. Nelson, R. Nichol, G. Pearce, K. Ruddick, P.N. Smith, P.A. Symes, J. Thomas, P.L. Vahle, R. Webb, A. Weber and R.F. White, On the linearity of the MINOS light-injection calibration system . . . 521 (2004) 361
Aerts, G., see Abbondanno, U. . . . 521 (2004) 454
Alexopoulos, T., R. Avramidou, E. Dris, T.A. Filippas, E.N. Gazis, E.C. Katsoufis, S. Maltezos, P. Savva, G. Stavropoulos and G. Tsipolitis, A gas leak rate measurement system for the ATLAS MUON BIS-monitored drift tubes . . . 521 (2004) 332
Alley, R., see Humensky, T.B. . . . 521 (2004) 261
Altarev, I., see Maier-Komor, P. . . . 521 (2004) 242
Alton, G.D., J.-C. Bilheux and A.D. McMillan, A new method for infiltration coating complex geometry matrices with compound materials for ISOL production target applications . . . 521 (2004) 108
Alton, G.D., see Stracener, D.W. . . . 521 (2004) 126
Alton, G.D., see Zhang, Y. . . . 521 (2004) 72
Alvarez, H., see Abbondanno, U. . . . 521 (2004) 454
Amaldi, U., P. Berra, K. Crandall, D. Toet, M. Weiss, R. Zennaro, E. Rosso, B. Szeless, M. Vretenar, C. Cicardi, C. De Martinis, D. Giove, D. Davino, M.R. Masullo and V. Vaccaro, LIBO—a linac-booster for protontherapy: construction and tests of a prototype . . . 521 (2004) 512
Andriamonje, S., see Abbondanno, U. . . . 521 (2004) 454
Angelopoulos, A., see Abbondanno, U. . . . 521 (2004) 454
Araújo, H.M., A. Bewick, D. Davidge, J. Dawson, T. Ferbel, A.S. Howard, W.G. Jones, M. Joshi, V. Lebedenko, I. Liubarsky, J.J. Quenby, T.J. Sumner and F. Neves, Low-temperature study of 35 photomultiplier tubes for the ZEPLIN III experiment . . . 521 (2004) 407
Assimakopoulos, P., see Abbondanno, U. . . . 521 (2004) 454

doi:10.1016/S0168-9002(04)00294-3

Auble, R.L., see Stracener, D.W. ... 521 (2004) 126
Aupiais, J., see Roig, O. ... 521 (2004) 5
Avasthi, D.K., see Kabiraj, D. ... 521 (2004) 183
Avramidou, R., see Alexopoulos, T. ... 521 (2004) 332
Awaji, N., see Hirai, Y. ... 521 (2004) 538

Back, B.B., see Mustapha, B. ... 521 (2004) 247
Bacri, C.O., see Abbondanno, U. ... 521 (2004) 454
Badurek, G., see Abbondanno, U. ... 521 (2004) 454
Baehtz, C., see Knapp, M. ... 521 (2004) 565
Bardelli, L., G. Poggi, M. Bini, G. Pasquali and N. Taccetti, Time measurements by means of digital sampling techniques: a study case of 100 ps FWHM time resolution with a 100 MSample/s, 12 bit digitizer ... 521 (2004) 480
Barrett, L., see Adamson, P. ... 521 (2004) 361
Baumann, P., see Abbondanno, U. ... 521 (2004) 454
Bečvář, F., see Abbondanno, U. ... 521 (2004) 454
Beene, J.R., see Stracener, D.W. ... 521 (2004) 126
Beer, H., see Abbondanno, U. ... 521 (2004) 454
Belias, A., see Adamson, P. ... 521 (2004) 361
Bélier, G., see Roig, O. ... 521 (2004) 5
Benlliure, J., see Abbondanno, U. ... 521 (2004) 454
Berghaeuser, A., see Knapp, M. ... 521 (2004) 565
Bergmaier, A., see Maier-Komor, P. ... 521 (2004) 242
Berra, P., see Amaldi, U. ... 521 (2004) 512
Berthier, B., see Abbondanno, U. ... 521 (2004) 454
Berthomieux, E., see Abbondanno, U. ... 521 (2004) 454
Bewick, A., see Araújo, H.M. ... 521 (2004) 407
Bilheux, J.C., see Stracener, D.W. ... 521 (2004) 126
Bilheux, J.-C., see Alton, G.D. ... 521 (2004) 108
Bini, M., see Bardelli, L. ... 521 (2004) 480
Bjeoumikhov, A., see Wroblewski, T. ... 521 (2004) 571
Blake, A., see Adamson, P. ... 521 (2004) 361
Blessinger, C.S., see Mitchell, G.S. ... 521 (2004) 468
Blouw, J., see Visser, J. ... 521 (2004) 430
Boffi, S., see Abbondanno, U. ... 521 (2004) 454
Boldeman, J.W. and D. Einfeld, The physics design of the Australian synchrotron storage ring ... 521 (2004) 306
Bondil, S., see Lucotte, A. ... 521 (2004) 378
Bõni, P., see Maier-Komor, P. ... 521 (2004) 242
Borcea, C., see Abbondanno, U. ... 521 (2004) 454
Borer, K., see Lucotte, A. ... 521 (2004) 378
Boscolo-Marchi, E., see Abbondanno, U. ... 521 (2004) 454
Boulin, Y., see Roig, O. ... 521 (2004) 5
Bowman, J.D., see Mitchell, G.S. ... 521 (2004) 468
Bowyer, T.W., see Reeder, P.L. ... 521 (2004) 586
Brachmann, A., see Humensky, T.B. ... 521 (2004) 261
Brecht, H.H., see Knapp, M. ... 521 (2004) 565
Breese, M.B.H., see Sellin, P.J. ... 521 (2004) 600
Browne, E., see Norman, E.B. ... 521 (2004) 608
Browne, M.J., see Humensky, T.B. ... 521 (2004) 261
Buis, R., see Visser, J. ... 521 (2004) 430
Bustreo, N., see Abbondanno, U. ... 521 (2004) 454

Cabrera, A., see Adamson, P. ... 521 (2004) 361
Calvio, P., see Abbondanno, U. ... 521 (2004) 454
Campagne, J.E., see Lucotte, A. ... 521 (2004) 378
Cano-Ott, D., see Abbondanno, U. ... 521 (2004) 454
Capote, R., see Abbondanno, U. ... 521 (2004) 454

Carlson, P., see Abbondanno, U. 521 (2004) 454
Cates, G.D., see Humensky, T.B. 521 (2004) 261
Cazes, A., see Lucotte, A. 521 (2004) 378
Cennini, P., see Abbondanno, U. 521 (2004) 454
Chauvin, N., F. Dayras, D. Le Du and R. Meunier, SIDONIE: an electromagnetic isotope separator for preparation of high purity thin targets 521 (2004) 149
Chen, J.E., see Zhang, C. 521 (2004) 326
Chepel, V., see Abbondanno, U. 521 (2004) 454
Chiaveri, E., see Abbondanno, U. 521 (2004) 454
Chupp, T.E., see Mitchell, G.S. 521 (2004) 468
Cicardi, C., see Amaldi, U. 521 (2004) 512
Clendenin, J., see Humensky, T.B. 521 (2004) 261
Coceva, C., see Abbondanno, U. 521 (2004) 454
Colonna, N., see Abbondanno, U. 521 (2004) 454
Čomor, J.J., Ž. Stevanović, M. Rajčević and D. Košutić, Modeling of thermal properties of a TeO_2 target for radioiodine production 521 (2004) 161
Cooper, R.G., see Stephan, A.C. 521 (2004) 441
Cortes, G., see Abbondanno, U. 521 (2004) 454
Cortina, D., see Abbondanno, U. 521 (2004) 454
Coulter, K.P., see Mitchell, G.S. 521 (2004) 468
Couture, A., see Abbondanno, U. 521 (2004) 454
Cox, J., see Abbondanno, U. 521 (2004) 454
Crandall, K., see Amaldi, U. 521 (2004) 512

Dababneh, S., see Abbondanno, U. 521 (2004) 454
Dahlfors, M., see Abbondanno, U. 521 (2004) 454
Das, J.J., see Varughese, T. 521 (2004) 143
Datta, S.K., see Kabiraj, D. 521 (2004) 183
Daugas, J.-M., see Roig, O. 521 (2004) 5
David, S., see Abbondanno, U. 521 (2004) 454
Davidge, D., see Araújo, H.M. 521 (2004) 407
Davino, D., see Amaldi, U. 521 (2004) 512
Dawson, J., see Araújo, H.M. 521 (2004) 407
Dayras, F., see Chauvin, N. 521 (2004) 149
deLamare, J., see Humensky, T.B. 521 (2004) 261
de La Taille, C., see Lucotte, A. 521 (2004) 378
Delbourgo, P., see Roig, O. 521 (2004) 5
De Martinis, C., see Amaldi, U. 521 (2004) 512
Dési, S., New noise reduction techniques processing nuclear detector signals 521 (2004) 611
Dolfini, R., see Abbondanno, U. 521 (2004) 454
Dollinger, G., see Maier-Komor, P. 521 (2004) 176
Dollinger, G., see Maier-Komor, P. 521 (2004) 242
Domingo-Pardo, C., see Abbondanno, U. 521 (2004) 454
Doulas, S., see Hanlet, P. 521 (2004) 343
Drake, D.M., see Talbert, W.L. 521 (2004) 136
Dris, E., see Alexopoulos, T. 521 (2004) 332
Dugad, S., see Hanlet, P. 521 (2004) 343
Duran, I., see Abbondanno, U. 521 (2004) 454

Eberhardt, K., M. Schädel, E. Schimpf, P. Thörle and N. Trautmann, Preparation of targets by electrodeposition for heavy element studies 521 (2004) 208
Ehrenberg, H., see Knapp, M. 521 (2004) 565
Einfeld, D., see Boldeman, J.W. 521 (2004) 306
Eleftheriadis, C., see Abbondanno, U. 521 (2004) 454
Embid-Segura, M., see Abbondanno, U. 521 (2004) 454
Eremin, N.V., see Liechtenstein, V.Kh. 521 (2004) 203

Faarinen, M., see Kiisk, M. . . . 521 (2004) 299
Fajans, J. and A. Schmidt, Malmberg–Penning and Minimum-B trap compatibility: the advantages of higher-order multipole traps . . . 521 (2004) 318
Falk, E., see Adamson, P. . . . 521 (2004) 361
Falout, J., see Greene, J.P. . . . 521 (2004) 214
Fang, J.X., see Zhang, C. . . . 521 (2004) 326
Ferbel, T., see Araújo, H.M. . . . 521 (2004) 407
Ferrant, L., see Abbondanno, U. . . . 521 (2004) 454
Ferrari, A., see Abbondanno, U. . . . 521 (2004) 454
Ferreira-Lourenco, L., see Abbondanno, U. . . . 521 (2004) 454
Ferreira-Marques, R., see Abbondanno, U. . . . 521 (2004) 454
Fiedler, K., see Visser, J. . . . 521 (2004) 430
Filippas, T.A., see Alexopoulos, T. . . . 521 (2004) 332
Fioni, G., see Roig, O. . . . 521 (2004) 5
Fliller III, R.P., see Lipski, A.R. . . . 521 (2004) 49
Frais-Koelbl, H., see Abbondanno, U. . . . 521 (2004) 454
Frank, M.I., see Norman, E.B. . . . 521 (2004) 608
Fratina, S., see Matsumoto, T. . . . 521 (2004) 367
Friebel, H.U., see Grossmann, R. . . . 521 (2004) 1
Friedrich, M., see Liechtenstein, V.K. . . . 521 (2004) 197
Friese, J., see Maier-Komor, P. . . . 521 (2004) 35
Frisch, J., see Humensky, T.B. . . . 521 (2004) 261
Fuess, H., see Knapp, M. . . . 521 (2004) 565
Furman, W.I., see Abbondanno, U. . . . 521 (2004) 454
Furukawa, K., see Suwada, T. . . . 521 (2004) 549

Galetto, T., see Humensky, T.B. . . . 521 (2004) 261
Gazis, E.N., see Alexopoulos, T. . . . 521 (2004) 332
Gericke, M., see Mitchell, G.S. . . . 521 (2004) 468
Gernhäuser, R., see Maier-Komor, P. . . . 521 (2004) 35
Giomataris, Y., see Abbondanno, U. . . . 521 (2004) 454
Giove, D., see Amaldi, U. . . . 521 (2004) 512
Golser, R., see Liechtenstein, V.K. . . . 521 (2004) 197
Golser, R., see Liechtenstein, V.Kh. . . . 521 (2004) 203
Goncalves, I.F., see Abbondanno, U. . . . 521 (2004) 454
Gonzalez-Romero, E., see Abbondanno, U. . . . 521 (2004) 454
Gosnell, T.B., see Norman, E.B. . . . 521 (2004) 608
Goverdovski, A., see Abbondanno, U. . . . 521 (2004) 454
Gramegna, F., see Abbondanno, U. . . . 521 (2004) 454
Greene, J.P., A. Heinz, J. Falout and R.V.F. Janssens, Rotating target wheel system for super-heavy element production at ATLAS . . . 521 (2004) 214
Greene, J.P., M.C. Wiescher and M. Paul, Using a wide-beam ion source to produce large area sputtered films for low-energy laboratory studies of alpha capture cross-sections . . . 521 (2004) 12
Griesmayer, E., see Abbondanno, U. . . . 521 (2004) 454
Gross, M.L., see Maier, H.J. . . . 521 (2004) 54
Grossmann, R., H.J. Maier and H.U. Friebel, Preparation of ^{10}Be targets by high vacuum evaporation–condensation . . . 521 (2004) 1
Grossmann, R., see Maier, H.J. . . . 521 (2004) 54
Gunsing, F., see Abbondanno, U. . . . 521 (2004) 454
Guo, Z.Y., see Zhang, C. . . . 521 (2004) 326
Gupta, P., see Norman, E.B. . . . 521 (2004) 608

Habs, D., see Maier, H.J. . . . 521 (2004) 54
Haggerty, H., see Hanlet, P. . . . 521 (2004) 343
Haight, R., see Abbondanno, U. . . . 521 (2004) 454
Halimi, R., see Labbani, R. . . . 521 (2004) 30

Hanlet, P., S. Doulas, N. Kirsch, M. Marcus, D.R. Wood, H. Haggerty, S. Hansen, A.S. Ito, R. Jones, T. Regan, B.S. Acharya, S. Dugad, B. Satyanarayana, J.P. Negret and M. Zanabria, LED pulser system for Fermilab's DØ Muon Scintillation counters ... 521 (2004) 343
Hansen, S., see Hanlet, P. ... 521 (2004) 343
Harris, P.G., see Adamson, P. ... 521 (2004) 361
Hartmann, W., see Kindler, B. ... 521 (2004) 222
Hartnell, J., see Adamson, P. ... 521 (2004) 361
Hasegawa, M., see Hirai, Y. ... 521 (2004) 538
Hattori, Y., see Sugai, I. ... 521 (2004) 187
Hattori, Y., see Sugai, I. ... 521 (2004) 192
Heagney, J.M. and J.S. Heagney, An improved electrostatically focused electron gun for high-temperature evaporations ... 521 (2004) 235
Heagney, J.S., see Heagney, J.M. ... 521 (2004) 235
Heil, M., see Abbondanno, U. ... 521 (2004) 454
Heinz, A., see Greene, J.P. ... 521 (2004) 214
Hellborg, R., see Kiisk, M. ... 521 (2004) 299
Herrera-Martinez, A., see Abbondanno, U. ... 521 (2004) 454
Hess, M., see Lucotte, A. ... 521 (2004) 378
Hirai, Y., S. Yasuami, A. Kobayashi, Y. Hirai, J. Nishino, M. Shibata, K. Yamaguchi, K.-Y. Liu, S. Kawado, T. Yamamoto, S. Noguchi, M. Takahashi, I. Konomi, S. Kimura, M. Hasegawa, N. Awaji, S. Komiya, T. Hirose, S. Ozaki, T. Okajima, T. Ishikawa and H. Kitamura, The design and performance of beamline BL16XU at SPring-8 ... 521 (2004) 538
Hirai, Y., see Hirai, Y. ... 521 (2004) 538
Hirose, T., see Hirai, Y. ... 521 (2004) 538
Hoffman-Rothe, P., see Visser, J. ... 521 (2004) 430
Holland, A.D., I.B. Hutchinson, D.R. Smith and P. Pool, Proton damage in the E2V swept charge device ... 521 (2004) 393
Homolka, J., see Maier-Komor, P. ... 521 (2004) 35
Howard, A.S., see Araújo, H.M. ... 521 (2004) 407
Howcroft, C., see Adamson, P. ... 521 (2004) 361
Howell Jr., L.W., Statistical properties of maximum likelihood estimators of power law spectra information ... 521 (2004) 493
Hsu, H.-H., see Talbert, W.L. ... 521 (2004) 136
Hughes, E.W., see Humensky, T.B. ... 521 (2004) 261
Humensky, T.B., R. Alley, A. Brachmann, M.J. Browne, G.D. Cates, J. Clendenin, J. deLamare, J. Frisch, T. Galetto, E.W. Hughes, K.S. Kumar, P. Mastromarino, J. Sodja, P.A. Souder, J. Turner and M. Woods, SLAC's polarized electron source laser system and minimization of electron beam helicity correlations for the E-158 parity violation experiment ... 521 (2004) 261
Hutchinson, I.B., see Holland, A.D. ... 521 (2004) 393

Iijima, T., see Matsumoto, T. ... 521 (2004) 367
Ioannides, K.G., see Abbondanno, U. ... 521 (2004) 454
Ishibashi, R., see Matsumoto, T. ... 521 (2004) 367
Ishikawa, T., see Hirai, Y. ... 521 (2004) 538
Ito, A.S., see Hanlet, P. ... 521 (2004) 343
Itoh, A., see Sugai, I. ... 521 (2004) 187
Ivkova, T.M., see Liechtenstein, V.K. ... 521 (2004) 197

Janeva, N., see Abbondanno, U. ... 521 (2004) 454
Janssens, R.V.F., see Greene, J.P. ... 521 (2004) 214
Jericha, E., see Abbondanno, U. ... 521 (2004) 454
Jhingan, A., see Varughese, T. ... 521 (2004) 143
Joco, V., see Knapp, M. ... 521 (2004) 565
Johansson, C., see Reeder, P.L. ... 521 (2004) 586
Jones, G.L., see Mitchell, G.S. ... 521 (2004) 468
Jones, R., see Hanlet, P. ... 521 (2004) 343
Jones, W.G., see Araújo, H.M. ... 521 (2004) 407
Joshi, M., see Araújo, H.M. ... 521 (2004) 407

Kabiraj, D., S. Ojha, S.R. Abhilash, D.K. Avasthi and S.K. Datta, Defect-oriented carbon stripper foil development 521 (2004) 183
Kadi, Y., see Abbondanno, U. 521 (2004) 454
Kaji, D., see Yoshida, A. 521 (2004) 65
Kamikubota, N., see Suwada, T. 521 (2004) 549
Käppeler, F., see Abbondanno, U. 521 (2004) 454
Karamanis, D., see Abbondanno, U. 521 (2004) 454
Katsoufis, E.C., see Alexopoulos, T. 521 (2004) 332
Kawado, S., see Hirai, Y. 521 (2004) 538
Kawai, H., see Matsumoto, T. 521 (2004) 367
Kawakami, H., see Sugai, I. 521 (2004) 187
Kawakami, H., see Sugai, I. 521 (2004) 192
Kawasaki, K., see Sugai, I. 521 (2004) 187
Kawasaki, K., see Sugai, I. 521 (2004) 192
Kelic, A., see Abbondanno, U. 521 (2004) 454
Kenn, O., see Maier-Komor, P. 521 (2004) 17
Kester, O., see Maier, H.J. 521 (2004) 54
Ketlerov, V., see Abbondanno, U. 521 (2004) 454
Kiisk, M., R. Hellborg, P. Persson, M. Faarinen, G. Skog and K. Stenström, The charge state distribution of Be, C, Cl and Al ions at the Lund Pelletron accelerator with the recently modified terminal pumping in use 521 (2004) 299
Kimura, S., see Hirai, Y. 521 (2004) 538
Kindler, B., W. Hartmann, J. Klemm, B. Lommel and J. Steiner, Preparation of targets by sputter deposition 521 (2004) 222
Kirsch, N., see Hanlet, P. 521 (2004) 343
Kitamura, H., see Hirai, Y. 521 (2004) 538
Kitis, G., see Abbondanno, U. 521 (2004) 454
Klemm, J., see Kindler, B. 521 (2004) 222
Knapp, M., V. Joco, C. Baehtz, H.H. Brecht, A. Berghaeuser, H. Ehrenberg, H. von Seggern and H. Fuess, Position-sensitive detector system OBI for High Resolution X-Ray Powder Diffraction using on-site readable image plates 521 (2004) 565
Kobayashi, A., see Hirai, Y. 521 (2004) 538
Koehler, P.E., see Abbondanno, U. 521 (2004) 454
Komiya, S., see Hirai, Y. 521 (2004) 538
Konomi, I., see Hirai, Y. 521 (2004) 538
Konovalov, V., see Abbondanno, U. 521 (2004) 454
Kordosky, M., see Adamson, P. 521 (2004) 361
Korpar, S., see Matsumoto, T. 521 (2004) 367
Kossionides, E., see Abbondanno, U. 521 (2004) 454
Košutić, D., see Čomor, J.J. 521 (2004) 161
Kreissig, U., see Liechtenstein, V.K. 521 (2004) 197
Križan, P., see Matsumoto, T. 521 (2004) 367
Krücken, R., see Maier-Komor, P. 521 (2004) 17
Krücken, R., see Maier-Komor, P. 521 (2004) 35
Krücken, R., see Maier-Komor, P. 521 (2004) 176
Krücken, R., see Maier-Komor, P. 521 (2004) 242
Kubo, T., see Yoshida, A. 521 (2004) 65
Kumar, K.S., see Humensky, T.B. 521 (2004) 261
Kutschera, W., see Liechtenstein, V.K. 521 (2004) 197
Kutschera, W., see Liechtenstein, V.Kh. 521 (2004) 203

Labbani, R. and R. Halimi, Oxidation study of Sb^+ implanted Si(100) and Si(111) targets. Use of high-resolution RBS technique 521 (2004) 30
Lacoste, V., see Abbondanno, U. 521 (2004) 454
Lang, K., see Adamson, P. 521 (2004) 361
Larimer, R.-M., see Norman, E.B. 521 (2004) 608
Lebedenko, V., see Araújo, H.M. 521 (2004) 407
Lebedev, S.G., Particle irradiation for verification of superconducting-like behavior in carbon arc films 521 (2004) 22

LeBlanc, G. and E. Wallén, Evaluation of the MAX-Wiggler ... 521 (2004) 530
Le Du, D., see Chauvin, N. ... 521 (2004) 149
Lee, R., see Adamson, P. ... 521 (2004) 361
Leeb, H., see Abbondanno, U. ... 521 (2004) 454
Letourneau, A., see Roig, O. ... 521 (2004) 5
Leung, K.-N., see Lou, T.P. ... 521 (2004) 399
Leuschner, M.B., see Mitchell, G.S. ... 521 (2004) 468
Liechtenstein, V.K., T.M. Ivkova, E.D. Olshanski, R. Golser, W. Kutschera, P. Steier, C. Vockenhuber, R. Repnow, R. von Hahn, M. Friedrich and U. Kreissig, Recent investigations and applications of thin diamond-like carbon (DLC) foils ... 521 (2004) 197
Liechtenstein, V.Kh., N.V. Eremin, R. Golser, W. Kutschera, A.A. Paskhalov, A. Priller, P. Steier, C. Vockenhuber and S. Winkler, First tests of a thin natural diamond detector as an energy spectrometer for low-energy heavy ions ... 521 (2004) 203
Lindote, A., see Abbondanno, U. ... 521 (2004) 454
Lipski, A.R., M.R. Pearson, R.P. Fliller III and G.D. Sprouse, Neutralizer for radioactive francium beam ... 521 (2004) 49
Liu, J., see Adamson, P. ... 521 (2004) 361
Liu, K.-Y., see Hirai, Y. ... 521 (2004) 538
Liubarsky, I., see Araújo, H.M. ... 521 (2004) 407
Lohstroh, A., see Sellin, P.J. ... 521 (2004) 600
Lommel, B., see Kindler, B. ... 521 (2004) 222
Lopes, M.I., see Abbondanno, U. ... 521 (2004) 454
Lou, T.P., B.A. Ludewigt, J.L. Vujic and K.-N. Leung, Simulation of a D–T neutron source for neutron scattering experiments ... 521 (2004) 399
Lozano, M., see Abbondanno, U. ... 521 (2004) 454
Lucotte, A., S. Bondil, K. Borer, J.E. Campagne, A. Cazes, M. Hess, C. de La Taille, G. Martin-Chassard, L. Raux and J.P. Repellin, A front-end read out chip for the OPERA scintillator tracker ... 521 (2004) 378
Ludewigt, B.A., see Lou, T.P. ... 521 (2004) 399
Lukic, S., see Abbondanno, U. ... 521 (2004) 454

Madhavan, N., see Varughese, T. ... 521 (2004) 143
Maier, H.J., D. Habs, M.L. Gross, R. Grossmann, O. Kester, F. Ospald and P. Thirolf, Target development for the Munich Fission Fragment Accelerator ... 521 (2004) 54
Maier, H.J., see Grossmann, R. ... 521 (2004) 1
Maier-Komor, P., G. Dollinger and R. Krücken, A new UHV system for the preparation of carbon stripper foils by laser plasma ablation deposition ... 521 (2004) 176
Maier-Komor, P., I. Altarev, A. Bergmaier, P. Böni, G. Dollinger, R. Krücken, S. Paul and W. Schott, Antireflection foils with multi-layer converter for ultracold neutron detectors ... 521 (2004) 242
Maier-Komor, P., J. Friese, R. Gernhäuser, J. Homolka, R. Krücken and S. Winkler, Investigation of deposition parameters for VUV reflective coatings on the HADES RICH mirrors ... 521 (2004) 35
Maier-Komor, P., R. Krücken, K.-H. Speidel and O. Kenn, Adherence problem for carbon films of up to 0.5 mg/cm^2 on vacuum-deposited thick ferromagnetic Gd targets ... 521 (2004) 17
Makii, H., see Sugai, I. ... 521 (2004) 227
Maltezos, S., see Alexopoulos, T. ... 521 (2004) 332
Manolopoulou, M., S. Stoulos, D. Mironaki and C. Papastefanou, Erratum to "A new technique for the accurate measurement of ^{226}Ra by gamma spectroscopy in voluminous samples" [Nuclear Instrument and Methods in Physics Research A 508 (2003) 362–366] ... 521 (2004) 614
Marcus, M., see Hanlet, P. ... 521 (2004) 343
Marie, F., see Roig, O. ... 521 (2004) 5
Markov, S., see Abbondanno, U. ... 521 (2004) 454
Marrone, S., see Abbondanno, U. ... 521 (2004) 454
Martin-Chassard, G., see Lucotte, A. ... 521 (2004) 378
Martinez-Val, J., see Abbondanno, U. ... 521 (2004) 454
Martirosyan, Y.L., Study of CANDLE tunes dependence on fringing fields of quadrupoles ... 521 (2004) 556
Mastinu, P., see Abbondanno, U. ... 521 (2004) 454
Mastromarino, P., see Humensky, T.B. ... 521 (2004) 261
Masullo, M.R., see Amaldi, U. ... 521 (2004) 512

Matsumoto, T., S. Korpar, I. Adachi, S. Fratina, T. Iijima, R. Ishibashi, H. Kawai, P. Križan, S. Ogawa, R. Pestotnik, S. Saitoh, T. Seki, T. Sumiyoshi, K. Suzuki, T. Tabata, Y. Uchida and Y. Unno, Studies of proximity focusing RICH with an aerogel radiator using flat-panel multi-anode PMTs (Hamamatsu H8500) 521 (2004) 367
Matsuyama, M., see Shu, W.M. 521 (2004) 423
Maunoury, L., see Roig, O. 521 (2004) 5
McDonald, R.J., see Norman, E.B. 521 (2004) 608
McIntyre, J.I., see Reeder, P.L. 521 (2004) 586
McMillan, A.D., see Alton, G.D. 521 (2004) 108
Mengoni, A., see Abbondanno, U. 521 (2004) 454
Méot, V., see Roig, O. 521 (2004) 5
Meunier, R., see Chauvin, N. 521 (2004) 149
Michael, D., see Adamson, P. 521 (2004) 361
Milazzo, P.M., see Abbondanno, U. 521 (2004) 454
Miller, L.F., see Stephan, A.C. 521 (2004) 441
Minguez, E., see Abbondanno, U. 521 (2004) 454
Mironaki, D., see Manolopoulou, M. 521 (2004) 614
Mitchell, G.S., C.S. Blessinger, J.D. Bowman, T.E. Chupp, K.P. Coulter, M. Gericke, G.L. Jones, M.B. Leuschner, H. Nann, S.A. Page, S.I. Penttilä, T.B. Smith, W.M. Snow and W.S. Wilburn, A measurement of parity-violating gamma-ray asymmetries in polarized cold neutron capture on ^{35}Cl, ^{113}Cd, and ^{139}La 521 (2004) 468
Molina-Coballes, A., see Abbondanno, U. 521 (2004) 454
Moreau, C., see Abbondanno, U. 521 (2004) 454
Morichon, E., see Roig, O. 521 (2004) 5
Morimoto, K., see Yoshida, A. 521 (2004) 65
Morita, K., see Yoshida, A. 521 (2004) 65
Morse, R., see Adamson, P. 521 (2004) 361
Mueller, P.E., see Stracener, D.W. 521 (2004) 126
Mustapha, B. and J.A. Nolen, Simulations of effusion from ISOL target/ion source systems 521 (2004) 59
Mustapha, B., J.A. Nolen and B.B. Back, Calculated intensity of high-energy neutron beams 521 (2004) 247

Nagai, Y., see Sugai, I. 521 (2004) 227
Nann, H., see Mitchell, G.S. 521 (2004) 468
Nath, S., see Varughese, T. 521 (2004) 143
Negret, J.P., see Hanlet, P. 521 (2004) 343
Nelson, J.K., see Adamson, P. 521 (2004) 361
Neves, F., see Abbondanno, U. 521 (2004) 454
Neves, F., see Araújo, H.M. 521 (2004) 407
Nichol, R., see Adamson, P. 521 (2004) 361
Nishi, M.F., see Shu, W.M. 521 (2004) 423
Nishino, J., see Hirai, Y. 521 (2004) 538
Nishiura, R., see Nishizawa, H. 521 (2004) 416
Nishizawa, H., R. Nishiura and K. Takashima, Position-sensitive detectors based on carrier drift using a CdTe semiconductor 521 (2004) 416
Nitsche, H., see Norman, E.B. 521 (2004) 608
Noguchi, S., see Hirai, Y. 521 (2004) 538
Nolen, J.A., see Mustapha, B. 521 (2004) 59
Nolen, J.A., see Mustapha, B. 521 (2004) 247
Norman, E.B., S.G. Prussin, R.-M. Larimer, H. Shugart, E. Browne, A.R. Smith, R.J. McDonald, H. Nitsche, P. Gupta, M.I. Frank and T.B. Gosnell, Signatures of fissile materials: high-energy γ rays following fission 521 (2004) 608

Oberhummer, H., see Abbondanno, U. 521 (2004) 454
O'Brien, S., see Abbondanno, U. 521 (2004) 454
Ogawa, S., see Matsumoto, T. 521 (2004) 367
Ojha, S., see Kabiraj, D. 521 (2004) 183

Okajima, T., see Hirai, Y. 521 (2004) 538
Olshanski, E.D., see Liechtenstein, V.K. 521 (2004) 197
Ospald, F., see Maier, H.J. 521 (2004) 54
Oyaizu, M., see Sugai, I. 521 (2004) 187
Oyaizu, M., see Sugai, I. 521 (2004) 192
Ozaki, S., see Hirai, Y. 521 (2004) 538
Ozawa, A., see Yoshida, A. 521 (2004) 65

Page, S.A., see Mitchell, G.S. 521 (2004) 468
Pancin, J., see Abbondanno, U. 521 (2004) 454
Papaevangelou, T., see Abbondanno, U. 521 (2004) 454
Papastefanou, C., see Manolopoulou, M. 521 (2004) 614
Paradela, C., see Abbondanno, U. 521 (2004) 454
Paskhalov, A.A., see Liechtenstein, V.Kh. 521 (2004) 203
Pasquali, G., see Bardelli, L. 521 (2004) 480
Paul, M., see Greene, J.P. 521 (2004) 12
Paul, S., see Maier-Komor, P. 521 (2004) 242
Pavlik, A., see Abbondanno, U. 521 (2004) 454
Pavlopoulos, P., see Abbondanno, U. 521 (2004) 454
Pearce, G., see Adamson, P. 521 (2004) 361
Pearson, M.R., see Lipski, A.R. 521 (2004) 49
Penttilä, S.I., see Mitchell, G.S. 521 (2004) 468
Perez-Parra, A., see Abbondanno, U. 521 (2004) 454
Perlado, J.M., see Abbondanno, U. 521 (2004) 454
Perrot, L., see Abbondanno, U. 521 (2004) 454
Persson, P., see Kiisk, M. 521 (2004) 299
Peskov, V., see Abbondanno, U. 521 (2004) 454
Pestotnik, R., see Matsumoto, T. 521 (2004) 367
Pitts, W.K., see Reeder, P.L. 521 (2004) 586
Plag, R., see Abbondanno, U. 521 (2004) 454
Plompen, A., see Abbondanno, U. 521 (2004) 454
Plukis, A., see Abbondanno, U. 521 (2004) 454
Poch, A., see Abbondanno, U. 521 (2004) 454
Poggi, G., see Bardelli, L. 521 (2004) 480
Policarpo, A., see Abbondanno, U. 521 (2004) 454
Pool, P., see Holland, A.D. 521 (2004) 393
Prata, M.J., Analytical calculation of the solid angle subtended by a circular disc detector at a point cosine source 521 (2004) 576
Pretel, C., see Abbondanno, U. 521 (2004) 454
Priller, A., see Liechtenstein, V.Kh. 521 (2004) 203
Prussin, S.G., see Norman, E.B. 521 (2004) 608

Quenby, J.J., see Araújo, H.M. 521 (2004) 407
Quesada, J.M., see Abbondanno, U. 521 (2004) 454

Radici, M., see Abbondanno, U. 521 (2004) 454
Rajčević, M., see Čomor, J.J. 521 (2004) 161
Raman, S., see Abbondanno, U. 521 (2004) 454
Rao, P.V.M., see Varughese, T. 521 (2004) 143
Rapp, W., see Abbondanno, U. 521 (2004) 454
Rauscher, T., see Abbondanno, U. 521 (2004) 454
Raux, L., see Lucotte, A. 521 (2004) 378
Reeder, P.L., T.W. Bowyer, J.I. McIntyre, W.K. Pitts, A. Ringbom and C. Johansson, Gain calibration of a β/γ coincidence spectrometer for automated radioxenon analysis 521 (2004) 586
Regan, T., see Hanlet, P. 521 (2004) 343
Reifarth, R., see Abbondanno, U. 521 (2004) 454

Rejmund, F., see Abbondanno, U. . . . 521 (2004) 454
Repellin, J.P., see Lucotte, A. . . . 521 (2004) 378
Repnow, R., see Liechtenstein, V.K. . . . 521 (2004) 197
Ridikas, D., see Roig, O. . . . 521 (2004) 5
Ringbom, A., see Reeder, P.L. . . . 521 (2004) 586
Roig, O., G. Bélier, J.-M. Daugas, P. Delbourgo, L. Maunoury, V. Méot, E. Morichon, J.-E. Sauvestre, J. Aupiais, Y. Boulin, G. Fioni, A. Letourneau, F. Marie and D. Ridikas, High spin K isomeric target of ^{177m}Lu . . . 521 (2004) 5
Rosetti, M., see Abbondanno, U. . . . 521 (2004) 454
Rosso, E., see Amaldi, U. . . . 521 (2004) 512
Rövekamp, J., see Visser, J. . . . 521 (2004) 430
Rubbia, C., see Abbondanno, U. . . . 521 (2004) 454
Ruddick, K., see Adamson, P. . . . 521 (2004) 361
Rudolf, G., see Abbondanno, U. . . . 521 (2004) 454
Rullhusen, P., see Abbondanno, U. . . . 521 (2004) 454

Saitoh, S., see Matsumoto, T. . . . 521 (2004) 367
Salgado, J., see Abbondanno, U. . . . 521 (2004) 454
Sano, K., see Sugai, I. . . . 521 (2004) 227
Satoh, M., see Suwada, T. . . . 521 (2004) 549
Satyanarayana, B., see Hanlet, P. . . . 521 (2004) 343
Sauvestre, J.-E., see Roig, O. . . . 521 (2004) 5
Savva, P., see Alexopoulos, T. . . . 521 (2004) 332
Savvidis, E., see Abbondanno, U. . . . 521 (2004) 454
Schädel, M., see Eberhardt, K. . . . 521 (2004) 208
Schempp, A., see Zhang, C. . . . 521 (2004) 326
Schimpf, E., see Eberhardt, K. . . . 521 (2004) 208
Schmidt, A., see Fajans, J. . . . 521 (2004) 318
Schott, W., see Maier-Komor, P. . . . 521 (2004) 242
Seki, T., see Matsumoto, T. . . . 521 (2004) 367
Sellin, P.J., A. Lohstroh, A. Simon and M.B.H. Breese, Digital IBIC—new spectroscopic modalities for ion-beam-induced charge imaging . . . 521 (2004) 600
Shibata, M., see Hirai, Y. . . . 521 (2004) 538
Shu, W.M., M. Matsuyama, T. Suzuki and M.F. Nishi, Characteristics of a promising tritium process monitor detecting bremsstrahlung X-rays . . . 521 (2004) 423
Shugart, H., see Norman, E.B. . . . 521 (2004) 608
Simon, A., see Sellin, P.J. . . . 521 (2004) 600
Sinha, A.K., see Varughese, T. . . . 521 (2004) 143
Skog, G., see Kiisk, M. . . . 521 (2004) 299
Smith, A.R., see Norman, E.B. . . . 521 (2004) 608
Smith, D.R., see Holland, A.D. . . . 521 (2004) 393
Smith, P.N., see Adamson, P. . . . 521 (2004) 361
Smith, T.B., see Mitchell, G.S. . . . 521 (2004) 468
Snow, W.M., see Mitchell, G.S. . . . 521 (2004) 468
Soares, J.C., see Abbondanno, U. . . . 521 (2004) 454
Sodja, J., see Humensky, T.B. . . . 521 (2004) 261
Sosnin, L.Yu., see Tcheltsov, A.N. . . . 521 (2004) 156
Souder, P.A., see Humensky, T.B. . . . 521 (2004) 261
Speidel, K.-H., see Maier-Komor, P. . . . 521 (2004) 17
Spirlet, J.-C. and R. Wellum, A new multi-purpose furnace for the preparation of compounds, alloys and single crystals . . . 521 (2004) 239
Sprouse, G.D., see Lipski, A.R. . . . 521 (2004) 49
Stavropoulos, G., see Alexopoulos, T. . . . 521 (2004) 332
Steier, P., see Liechtenstein, V.K. . . . 521 (2004) 197
Steier, P., see Liechtenstein, V.Kh. . . . 521 (2004) 203
Steijger, J.J.M., see Visser, J. . . . 521 (2004) 430
Steiner, J., see Kindler, B. . . . 521 (2004) 222

Stenström, K., see Kiisk, M. ... 521 (2004) 299
Stephan, A.C., R.G. Cooper and L.F. Miller, Monte Carlo studies of a Micromegas neutron beam monitor ... 521 (2004) 441
Stephan, C., see Abbondanno, U. ... 521 (2004) 454
Stevanović, Ž., see Čomor, J.J. ... 521 (2004) 161
Stoner Jr., J.O., Stacked tungsten–carbon targets ... 521 (2004) 43
Stoulos, S., see Manolopoulou, M. ... 521 (2004) 614
Stracener, D.W., G.D. Alton, R.L. Auble, J.R. Beene, P.E. Mueller and J.C. Bilheux, Targets used in the production of radioactive ion beams at the HRIBF ... 521 (2004) 126
Sugai, I., Y. Takeda, H. Makii, K. Sano and Y. Nagai, Target preparation of highly adhesive enriched ^{12}C on Au substrates by a HIVIPP method ... 521 (2004) 227
Sugai, I., Y. Takeda, M. Oyaizu, H. Kawakami, Y. Hattori and K. Kawasaki, A test preparation of thick carbon stripper foils for RCS of J-PARC ... 521 (2004) 192
Sugai, I., Y. Takeda, M. Oyaizu, H. Kawakami, Y. Hattori, K. Kawasaki, K. Yoshida and A. Itoh, Lifetime improvement of nitrided carbon stripper foils by ion-beam sputtering with a binary gas mixture ... 521 (2004) 187
Sugathan, P., see Varughese, T. ... 521 (2004) 143
Sumiyoshi, T., see Matsumoto, T. ... 521 (2004) 367
Sumner, T.J., see Araújo, H.M. ... 521 (2004) 407
Suwada, T., K. Furukawa, N. Kamikubota and M. Satoh, Trigger-timing signal distribution system for the KEK electron/positron injector linac ... 521 (2004) 549
Suzuki, K., see Matsumoto, T. ... 521 (2004) 367
Suzuki, T., see Shu, W.M. ... 521 (2004) 423
Symes, P.A., see Adamson, P. ... 521 (2004) 361
Szeless, B., see Amaldi, U. ... 521 (2004) 512

Tabata, T., see Matsumoto, T. ... 521 (2004) 367
Taccetti, N., see Bardelli, L. ... 521 (2004) 480
Tagliente, G., see Abbondanno, U. ... 521 (2004) 454
Tain, J.L., see Abbondanno, U. ... 521 (2004) 454
Takahashi, M., see Hirai, Y. ... 521 (2004) 538
Takahashi, Y., see Yoshida, A. ... 521 (2004) 65
Takashima, K., see Nishizawa, H. ... 521 (2004) 416
Takeda, Y., see Sugai, I. ... 521 (2004) 187
Takeda, Y., see Sugai, I. ... 521 (2004) 192
Takeda, Y., see Sugai, I. ... 521 (2004) 227
Talbert, W.L., D.M. Drake, H.-H. Hsu and M.T. Wilson, Design aspects of high-power targets ... 521 (2004) 136
Tanihata, I., see Yoshida, A. ... 521 (2004) 65
Tapia, C., see Abbondanno, U. ... 521 (2004) 454
Tassan-Got, L., see Abbondanno, U. ... 521 (2004) 454
Tavora, L.M.N., see Abbondanno, U. ... 521 (2004) 454
Tcheltsov, A.N. and L.Yu. Sosnin, Centrifugal enrichment of selenium isotopes and their application to the development of new technologies and to the experiments on physics of weak interaction ... 521 (2004) 156
Terlizzi, R., see Abbondanno, U. ... 521 (2004) 454
Terrani, M., see Abbondanno, U. ... 521 (2004) 454
Thirolf, P., see Maier, H.J. ... 521 (2004) 54
Thomas, J., see Adamson, P. ... 521 (2004) 361
Thörle, P., see Eberhardt, K. ... 521 (2004) 208
Toet, D., see Amaldi, U. ... 521 (2004) 512
Trautmann, N., see Eberhardt, K. ... 521 (2004) 208
Tsangas, N., see Abbondanno, U. ... 521 (2004) 454
Tsipolitis, G., see Alexopoulos, T. ... 521 (2004) 332
Turner, J., see Humensky, T.B. ... 521 (2004) 261

Uchida, Y., see Matsumoto, T. ... 521 (2004) 367
Unno, Y., see Matsumoto, T. ... 521 (2004) 367

Vaccaro, V., see Amaldi, U. . . . 521 (2004) 512
Vahle, P.L., see Adamson, P. . . . 521 (2004) 361
van Beuzekom, M.G., see Visser, J. . . . 521 (2004) 430
van der Steenhoven, G., see Visser, J. . . . 521 (2004) 430
van der Walt, T.N. and C. Vermeulen, Thick targets for the production of some radionuclides and the chemical processing of these targets at iThemba LABS . . . 521 (2004) 171
Vannini, G., see Abbondanno, U. . . . 521 (2004) 454
Varughese, T., J.J. Das, N. Madhavan, P. Sugathan, P.V.M. Rao, A. Jhingan, S. Nath, A.K. Sinha and J. Zacharias, Rotating target facility for in-flight radioactive ion beam production using a recoil mass spectrometer . . . 521 (2004) 143
Vassiliev, A., see Visser, J. . . . 521 (2004) 430
Vaz, P., see Abbondanno, U. . . . 521 (2004) 454
Ventura, A., see Abbondanno, U. . . . 521 (2004) 454
Vermeulen, C., see van der Walt, T.N. . . . 521 (2004) 171
Villamarin-Fernandez, D., see Abbondanno, U. . . . 521 (2004) 454
Vincente-Vincente, M., see Abbondanno, U. . . . 521 (2004) 454
Visser, J., M.G. van Beuzekom, J. Blouw, R. Buis, K. Fiedler, P. Hoffman-Rothe, J. Rövekamp, J.J.M. Steijger, G. van der Steenhoven, A. Vassiliev and M. Wiesmann, Design and performance of a silicon test counter for HERMES . . . 521 (2004) 430
Vlachoudis, V., see Abbondanno, U. . . . 521 (2004) 454
Vlastou, R., see Abbondanno, U. . . . 521 (2004) 454
Vockenhuber, C., see Liechtenstein, V.K. . . . 521 (2004) 197
Vockenhuber, C., see Liechtenstein, V.Kh. . . . 521 (2004) 203
von Hahn, R., see Liechtenstein, V.K. . . . 521 (2004) 197
von Seggern, H., see Knapp, M. . . . 521 (2004) 565
Voss, F., see Abbondanno, U. . . . 521 (2004) 454
Vretenar, M., see Amaldi, U. . . . 521 (2004) 512
Vujic, J.L., see Lou, T.P. . . . 521 (2004) 399

Wallén, E., see LeBlanc, G. . . . 521 (2004) 530
Webb, R., see Adamson, P. . . . 521 (2004) 361
Weber, A., see Adamson, P. . . . 521 (2004) 361
Weiss, M., see Amaldi, U. . . . 521 (2004) 512
Wellum, R., see Spirlet, J.-C. . . . 521 (2004) 239
Wendler, H., see Abbondanno, U. . . . 521 (2004) 454
White, R.F., see Adamson, P. . . . 521 (2004) 361
Wiescher, M., see Abbondanno, U. . . . 521 (2004) 454
Wiescher, M.C., see Greene, J.P. . . . 521 (2004) 12
Wiesmann, M., see Visser, J. . . . 521 (2004) 430
Wilburn, W.S., see Mitchell, G.S. . . . 521 (2004) 468
Wilson, M.T., see Talbert, W.L. . . . 521 (2004) 136
Winkler, S., see Liechtenstein, V.Kh. . . . 521 (2004) 203
Winkler, S., see Maier-Komor, P. . . . 521 (2004) 35
Wisshak, K., see Abbondanno, U. . . . 521 (2004) 454
Wood, D.R., see Hanlet, P. . . . 521 (2004) 343
Woods, M., see Humensky, T.B. . . . 521 (2004) 261
Wroblewski, T. and A. Bjeoumikhov, Small-angle X-ray imaging . . . 521 (2004) 571

Yamaguchi, K., see Hirai, Y. . . . 521 (2004) 538
Yamamoto, T., see Hirai, Y. . . . 521 (2004) 538
Yasuami, S., see Hirai, Y. . . . 521 (2004) 538
Yoshida, A., K. Morita, K. Morimoto, D. Kaji, T. Kubo, Y. Takahashi, A. Ozawa and I. Tanihata, High-power rotating wheel targets at RIKEN . . . 521 (2004) 65
Yoshida, K., see Sugai, I. . . . 521 (2004) 187

Zacharias, J., see Varughese, T. . . . 521 (2004) 143
Zanabria, M., see Hanlet, P. . . . 521 (2004) 343

Zanini, L., see Abbondanno, U. 521 (2004) 454
Zennaro, R., see Amaldi, U. 521 (2004) 512
Zhang, C., Z.Y. Guo, A. Schempp, J.E. Chen and J.X. Fang, Design of a high current RFQ for neutron production 521 (2004) 326
Zhang, Y. and G.D. Alton, Design of high-power ISOL targets for radioactive ion beam generation 521 (2004) 72

Available online at www.sciencedirect.com
SCIENCE DIRECT®
ELSEVIER
Nuclear Instruments and Methods in Physics Research A 521 (2004) 628–633
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH Section A
www.elsevier.com/locate/nima

Subject index

Accelerator Target Technology for the 21st Century
Proceedings of the 21st World Conference of the
International Nuclear Target Development Society
Argonne, IL, USA, November 4–8, 2002

Editors: J.P. Creene, P. Maier-Komor

Section I. Radioactive Target Preparation

Preparation of ^{10}Be targets by high vacuum evaporation–condensation, R. Grossmann, H.J. Maier and H.U. Friebel 521 (2004) 1

High spin K isomeric target of ^{177m}Lu, O. Roig, G. Bélier, J.-M. Daugas, P. Delbourgo, L. Maunoury, V. Méot, E. Morichon, J.-E. Sauvestre, J. Aupiais, Y. Boulin, G. Fioni, A. Letourneau, F. Marie and D. Ridikas 521 (2004) 5

Using a wide-beam ion source to produce large area sputtered films for low-energy laboratory studies of alpha capture cross-sections, J.P. Greene, M.C. Wiescher and M. Paul 521 (2004) 12

Section II. Thin Film Preparation and Characterization

Adherence problem for carbon films of up to 0.5 mg/cm^2 on vacuum-deposited thick ferromagnetic Gd targets, P. Maier-Komor, R. Krücken, K.-H. Speidel and O. Kenn 521 (2004) 17

Particle irradiation for verification of superconducting-like behavior in carbon arc films, S.G. Lebedev 521 (2004) 22

Oxidation study of Sb^+ implanted Si(1 0 0) and Si(1 1 1) targets. Use of high-resolution RBS technique, R. Labbani and R. Halimi 521 (2004) 30

Investigation of deposition parameters for VUV reflective coatings on the HADES RICH mirrors, P. Maier-Komor, J. Friese, R. Gernhäuser, J. Homolka, R. Krücken and S. Winkler 521 (2004) 35

Stacked tungsten–carbon targets, J.O. Stoner Jr. 521 (2004) 43

Neutralizer for radioactive francium beam, A.R. Lipski, M.R. Pearson, R.P. Fliller III and G.D. Sprouse ... 521 (2004) 49

Section III. High Power Targets and Radioactive Beam Production

Target development for the Munich Fission Fragment Accelerator, H.J. Maier, D. Habs, M.L. Gross, R. Grossmann, O. Kester, F. Ospald and P. Thirolf 521 (2004) 54

Simulations of effusion from ISOL target/ion source systems, B. Mustapha and J.A. Nolen 521 (2004) 59

doi:10.1016/S0168-9002(04)00295-5

High-power rotating wheel targets at RIKEN, A. Yoshida, K. Morita, K. Morimoto, D. Kaji, T. Kubo, Y. Takahashi, A. Ozawa and I. Tanihata 521 (2004) 65

Design of high-power ISOL targets for radioactive ion beam generation, Y. Zhang and G.D. Alton 521 (2004) 72

A new method for infiltration coating complex geometry matrices with compound materials for ISOL production target applications, G.D. Alton, J.-C. Bilheux and A.D. McMillan 521 (2004) 108

Targets used in the production of radioactive ion beams at the HRIBF, D.W. Stracener, G.D. Alton, R.L. Auble, J.R. Beene, P.E. Mueller and J.C. Bilheux 521 (2004) 126

Design aspects of high-power targets, W.L. Talbert, D.M. Drake, H.-H. Hsu and M.T. Wilson 521 (2004) 136

Rotating target facility for in-flight radioactive ion beam production using a recoil mass spectrometer, T. Varughese, J.J. Das, N. Madhavan, P. Sugathan, P.V.M. Rao, A. Jhingan, S. Nath, A.K. Sinha and J. Zacharias 521 (2004) 143

Section IV. Isotope Separation and Purification

SIDONIE: an electromagnetic isotope separator for preparation of high purity thin targets, N. Chauvin, F. Dayras, D. Le Du and R. Meunier 521 (2004) 149

Centrifugal enrichment of selenium isotopes and their application to the development of new technologies and to the experiments on physics of weak interaction, A.N. Tcheltsov and L.Yu. Sosnin 521 (2004) 156

Modeling of thermal properties of a TeO_2 target for radioiodine production, J.J. Čomor, Ž. Stevanović, M. Rajčević and D. Košutić 521 (2004) 161

Thick targets for the production of some radionuclides and the chemical processing of these targets at iThemba LABS, T.N. van der Walt and C. Vermeulen 521 (2004) 171

Section V. Carbon and Diamond-like Carbon, Stripper Foil Applications

A new UHV system for the preparation of carbon stripper foils by laser plasma ablation deposition, P. Maier-Komor, G. Dollinger and R. Krücken 521 (2004) 176

Defect-oriented carbon stripper foil development, D. Kabiraj, S. Ojha, S.R. Abhilash, D.K. Avasthi and S.K. Datta 521 (2004) 183

Lifetime improvement of nitrided carbon stripper foils by ion-beam sputtering with a binary gas mixture, I. Sugai, Y. Takeda, M. Oyaizu, H. Kawakami, Y. Hattori, K. Kawasaki, K. Yoshida and A. Itoh 521 (2004) 187

A test preparation of thick carbon stripper foils for RCS of J-PARC, I. Sugai, Y. Takeda, M. Oyaizu, H. Kawakami, Y. Hattori and K. Kawasaki 521 (2004) 192

Recent investigations and applications of thin diamond-like carbon (DLC) foils, V.K. Liechtenstein, T.M. Ivkova, E.D. Olshanski, R. Golser, W. Kutschera, P. Steier, C. Vockenhuber, R. Repnow, R. von Hahn, M. Friedrich and U. Kreissig 521 (2004) 197

First tests of a thin natural diamond detector as an energy spectrometer for low-energy heavy ions, V.Kh. Liechtenstein, N.V. Eremin, R. Golser, W. Kutschera, A.A. Paskhalov, A. Priller, P. Steier, C. Vockenhuber and S. Winkler 521 (2004) 203

Section VI. Targets for Heavy Element Production

Preparation of targets by electrodeposition for heavy element studies, K. Eberhardt, M. Schädel, E. Schimpf, P. Thörle and N. Trautmann 521 (2004) 208

Rotating target wheel system for super-heavy element production at ATLAS, J.P. Greene, A. Heinz, J. Falout and R.V.F. Janssens 521 (2004) 214

Preparation of targets by sputter deposition, B. Kindler, W. Hartmann, J. Klemm, B. Lommel and J. Steiner 521 (2004) 222

Section VII. Novel Methods for Target Fabrication

Target preparation of highly adhesive enriched ^{12}C on Au substrates by a HIVIPP method, I. Sugai, Y. Takeda, H. Makii, K. Sano and Y. Nagai 521 (2004) 227

An improved electrostatically focused electron gun for high-temperature evaporations, J.M. Heagney and J.S. Heagney 521 (2004) 235

A new multi-purpose furnace for the preparation of compounds, alloys and single crystals, J.-C. Spirlet and R. Wellum 521 (2004) 239

Section VIII. Applications with Neutrons and UCNs

Antireflection foils with multi-layer converter for ultracold neutron detectors, P. Maier-Komor, I. Altarev, A. Bergmaier, P. Böni, G. Dollinger, R. Krücken, S. Paul and W. Schott 521 (2004) 242

Calculated intensity of high-energy neutron beams, B. Mustapha, J.A. Nolen and B.B. Back 521 (2004) 247

Accelerators, Beam Handling and Targets

SLAC's polarized electron source laser system and minimization of electron beam helicity correlations for the E-158 parity violation experiment, T.B. Humensky, R. Alley, A. Brachmann, M.J. Browne, G.D. Cates, J. Clendenin, J. deLamare, J. Frisch, T. Galetto, E.W. Hughes, K.S. Kumar, P. Mastromarino, J. Sodja, P.A. Souder, J. Turner and M. Woods 521 (2004) 261

The charge state distribution of Be, C, Cl and Al ions at the Lund Pelletron accelerator with the recently modified terminal pumping in use, M. Kiisk, R. Hellborg, P. Persson, M. Faarinen, G. Skog and K. Stenström 521 (2004) 299

The physics design of the Australian synchrotron storage ring, J.W. Boldeman and D. Einfeld 521 (2004) 306

Malmberg–Penning and Minimum-B trap compatibility: the advantages of higher-order multipole traps, J. Fajans and A. Schmidt 521 (2004) 318

Design of a high current RFQ for neutron production, C. Zhang, Z.Y. Guo, A. Schempp, J.E. Chen and J.X. Fang 521 (2004) 326

High Energy Physics Detectors

A gas leak rate measurement system for the ATLAS MUON BIS-monitored drift tubes, T. Alexopoulos, R. Avramidou, E. Dris, T.A. Filippas, E.N. Gazis, E.C. Katsoufis, S. Maltezos, P. Savva, G. Stavropoulos and G. Tsipolitis 521 (2004) 332

LED pulser system for Fermilab's DØ Muon Scintillation counters, P. Hanlet, S. Doulas, N. Kirsch, M. Marcus, D.R. Wood, H. Haggerty, S. Hansen, A.S. Ito, R. Jones, T. Regan, B.S. Acharya, S. Dugad, B. Satyanarayana, J.P. Negret and M. Zanabria 521 (2004) 343

On the linearity of the MINOS light-injection calibration system, P. Adamson, L. Barrett, A. Belias, A. Blake, A. Cabrera, E. Falk, P.G. Harris, J. Hartnell, C. Howcroft, M. Kordosky, K. Lang, R. Lee, J. Liu, D. Michael, R. Morse, J.K. Nelson, R. Nichol, G. Pearce, K. Ruddick, P.N. Smith, P.A. Symes, J. Thomas, P.L. Vahle, R. Webb, A. Weber and R.F. White 521 (2004) 361

Studies of proximity focusing RICH with an aerogel radiator using flat-panel multi-anode PMTs (Hamamatsu H8500), T. Matsumoto, S. Korpar, I. Adachi, S. Fratina, T. Iijima, R. Ishibashi, H. Kawai, P. Križan, S. Ogawa, R. Pestotnik, S. Saitoh, T. Seki, T. Sumiyoshi, K. Suzuki, T. Tabata, Y. Uchida and Y. Unno ... 521 (2004) 367

High Energy Physics Systems

A front-end read out chip for the OPERA scintillator tracker, A. Lucotte, S. Bondil, K. Borer, J.E. Campagne, A. Cazes, M. Hess, C. de La Taille, G. Martin-Chassard, L. Raux and J.P. Repellin 521 (2004) 378

Space Radiation and Neutrino Detetors

Proton damage in the E2V swept charge device, A.D. Holland, I.B. Hutchinson, D.R. Smith and P. Pool ... 521 (2004) 393

Nuclear Spectroscopy

Simulation of a D–T neutron source for neutron scattering experiments, T.P. Lou, B.A. Ludewigt, J.L. Vujic and K.-N. Leung 521 (2004) 399

Gamma, X-ray and Charged Particle Detectors

Low-temperature study of 35 photomultiplier tubes for the ZEPLIN III experiment, H.M. Araújo, A. Bewick, D. Davidge, J. Dawson, T. Ferbel, A.S. Howard, W.G. Jones, M. Joshi, V. Lebedenko, I. Liubarsky, J.J. Quenby, T.J. Sumner and F. Neves 521 (2004) 407

Position-sensitive detectors based on carrier drift using a CdTe semiconductor, H. Nishizawa, R. Nishiura and K. Takashima 521 (2004) 416

Characteristics of a promising tritium process monitor detecting bremsstrahlung X-rays, W.M. Shu, M. Matsuyama, T. Suzuki and M.F. Nishi 521 (2004) 423

Design and performance of a silicon test counter for HERMES, J. Visser, M.G. van Beuzekom, J. Blouw, R. Buis, K. Fiedler, P. Hoffman-Rothe, J. Rövekamp, J.J.M. Steijger, G. van der Steenhoven, A. Vassiliev and M. Wiesmann 521 (2004) 430

Neutron Physics

Monte Carlo studies of a Micromegas neutron beam monitor, A.C. Stephan, R.G. Cooper and L.F. Miller 521 (2004) 441

New experimental validation of the pulse height weighting technique for capture cross-section measurements, U. Abbondanno, G. Aerts, H. Alvarez, S. Andriamonje, A. Angelopoulos, P. Assimakopoulos, C.O. Bacri, G. Badurek, P. Baumann, F. Bečvář, H. Beer, J. Benlliure, B. Berthier, E. Berthomieux, S. Boffi, C. Borcea, E. Boscolo-Marchi, N. Bustreo, P. Calviño, D. Cano-Ott, R. Capote, P. Carlson, P. Cennini, V. Chepel, E. Chiaveri, C. Coceva, N. Colonna, G. Cortes, D. Cortina, A. Couture, J. Cox, S. Dababneh, M. Dahlfors, S. David, R. Dolfini, C. Domingo-Pardo, I. Duran, C. Eleftheriadis, M. Embid-Segura, L. Ferrant, A. Ferrari, L. Ferreira-Lourenco, R. Ferreira-Marques, H. Frais-Koelbl, W.I. Furman, Y. Giomataris, I.F. Goncalves, E. Gonzalez-Romero, A. Goverdovski, F. Gramegna, E. Griesmayer, F. Gunsing, R. Haight, M. Heil, A. Herrera-Martinez, K.G. Ioannides, N. Janeva, E. Jericha, F. Käppeler, Y. Kadi, D. Karamanis, A. Kelic, V. Ketlerov, G. Kitis, P.E. Koehler, V. Konovalov, E. Kossionides, V. Lacoste, H. Leeb, A. Lindote, M.I. Lopes, M. Lozano, S. Lukic, S. Markov, S. Marrone, J. Martinez-Val, P. Mastinu,

A. Mengoni, P.M. Milazzo, E. Minguez, A. Molina-Coballes, C. Moreau, F. Neves, H. Oberhummer, S. O'Brien, J. Pancin, T. Papaevangelou, C. Paradela, A. Pavlik, P. Pavlopoulos, A. Perez-Parra, J.M. Perlado, L. Perrot, V. Peskov, R. Plag, A. Plompen, A. Plukis, A. Poch, A. Policarpo, C. Pretel, J.M. Quesada, M. Radici, S. Raman, W. Rapp, T. Rauscher, R. Reifarth, F. Rejmund, M. Rosetti, C. Rubbia, G. Rudolf, P. Rullhusen, J. Salgado, E. Savvidis, J.C. Soares, C. Stephan, G. Tagliente, J.L. Tain, C. Tapia, L. Tassan-Got, L.M.N. Tavora, R. Terlizzi, M. Terrani, N. Tsangas, G. Vannini, P. Vaz, A. Ventura, D. Villamarin-Fernandez, M. Vincente-Vincente, V. Vlachoudis, R. Vlastou, F. Voss, H. Wendler, M. Wiescher, K. Wisshak and L. Zanini 521 (2004) 454

A measurement of parity-violating gamma-ray asymmetries in polarized cold neutron capture on ^{35}Cl, ^{113}Cd, and ^{139}La, G.S. Mitchell, C.S. Blessinger, J.D. Bowman, T.E. Chupp, K.P. Coulter, M. Gericke, G.L. Jones, M.B. Leuschner, H. Nann, S.A. Page, S.I. Penttilä, T.B. Smith, W.M. Snow and W.S. Wilburn 521 (2004) 468

Electronics

Time measurements by means of digital sampling techniques: a study case of 100 ps FWHM time resolution with a 100 MSample/s, 12 bit digitizer, L. Bardelli, G. Poggi, M. Bini, G. Pasquali and N. Taccetti 521 (2004) 480

Numerical and Data Analysis

Statistical properties of maximum likelihood estimators of power law spectra information, L.W. Howell Jr. .. 521 (2004) 493

Medical Applications and Dosimetry

LIBO—a linac-booster for protontherapy: construction and tests of a prototype, U. Amaldi, P. Berra, K. Crandall, D. Toet, M. Weiss, R. Zennaro, E. Rosso, B. Szeless, M. Vretenar, C. Cicardi, C. De Martinis, D. Giove, D. Davino, M.R. Masullo and V. Vaccaro 521 (2004) 512

Synchrotron Radiation Research

Evaluation of the MAX-Wiggler, G. LeBlanc and E. Wallén 521 (2004) 530

The design and performance of beamline BL16XU at SPring-8, Y. Hirai, S. Yasuami, A. Kobayashi, Y. Hirai, J. Nishino, M. Shibata, K. Yamaguchi, K.-Y. Liu, S. Kawado, T. Yamamoto, S. Noguchi, M. Takahashi, I. Konomi, S. Kimura, M. Hasegawa, N. Awaji, S. Komiya, T. Hirose, S. Ozaki, T. Okajima, T. Ishikawa and H. Kitamura 521 (2004) 538

Trigger-timing signal distribution system for the KEK electron/positron injector linac, T. Suwada, K. Furukawa, N. Kamikubota and M. Satoh 521 (2004) 549

Study of CANDLE tunes dependence on fringing fields of quadrupoles, Y.L. Martirosyan 521 (2004) 556

Position-sensitive detector system OBI for High Resolution X-Ray Powder Diffraction using on-site readable image plates, M. Knapp, V. Joco, C. Baehtz, H.H. Brecht, A. Berghaeuser, H. Ehrenberg, H. von Seggern and H. Fuess 521 (2004) 565

Small-angle X-ray imaging, T. Wroblewski and A. Bjeoumikhov 521 (2004) 571

Special Applications

Analytical calculation of the solid angle subtended by a circular disc detector at a point cosine source, M.J. Prata 521 (2004) 576

Gain calibration of a β/γ coincidence spectrometer for automated radioxenon analysis, P.L. Reeder, T.W. Bowyer, J.I. McIntyre, W.K. Pitts, A. Ringbom and C. Johansson 521 (2004) 586

Digital IBIC—new spectroscopic modalities for ion-beam-induced charge imaging, P.J. Sellin, A. Lohstroh, A. Simon and M.B.H. Breese 521 (2004) 600

Letters to the Editor

Signatures of fissile materials: high-energy γ rays following fission, E.B. Norman, S.G. Prussin, R.-M. Larimer, H. Shugart, E. Browne, A.R. Smith, R.J. McDonald, H. Nitsche, P. Gupta, M.I. Frank and T.B. Gosnell 521 (2004) 608

New noise reduction techniques processing nuclear detector signals, S. Dési 521 (2004) 611

Errata

Erratum to "A new technique for the accurate measurement of ^{226}Ra by gamma spectroscopy in voluminous samples" [Nuclear Instrument and Methods in Physics Research A 508 (2003) 362–366], M. Manolopoulou, S. Stoulos, D. Mironaki and C. Papastefanou 521 (2004) 614